

Table 14. Age-adjusted death rates for 72 selected causes, Human immunodeficiency virus infection, and Alzheimer's disease by race and sex: United States, 1998

[Age-adjusted rates per 100,000 U.S. standard population; see Technical notes. For explanation of asterisks preceding cause-of-death categories, see Technical notes]

| Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975) | All other | | | | | | | | | | | |
|---|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|
| | All races | | | White | | | Total | | | Black | | |
| | Both sexes | Male | Female |
| All causes | 471.7 | 589.4 | 372.5 | 450.4 | 562.4 | 355.2 | 585.5 | 742.9 | 461.4 | 690.9 | 884.5 | 540.9 |
| Shigellosis and amebiasis (004,006) | * | * | * | * | * | * | * | * | * | * | * | * |
| Certain other intestinal infections (007-009) | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 |
| Tuberculosis (010-018) | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.1 | 0.8 | 1.2 | 0.6 | 0.9 | 1.3 | 0.6 |
| Tuberculosis of respiratory system (010-012) | 0.2 | 0.3 | 0.1 | 0.1 | 0.2 | 0.1 | 0.6 | 0.9 | 0.3 | 0.7 | 1.1 | 0.3 |
| Other tuberculosis (013-018) | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.3 |
| Whooping cough (033) | * | * | * | * | * | * | * | * | * | * | * | * |
| Streptococcal sore throat, scarlatina, and erysipelas (034-035) | * | * | * | * | * | * | * | * | * | * | * | * |
| Meningococcal infection (036) | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | * |
| Septicemia (038) | 4.4 | 4.8 | 4.0 | 3.8 | 4.2 | 3.5 | 8.4 | 9.2 | 7.7 | 10.4 | 11.5 | 9.5 |
| Acute poliomyelitis (045) | * | * | * | * | * | * | * | * | * | * | * | * |
| Measles (055) | * | * | * | * | * | * | * | * | * | * | * | * |
| Viral hepatitis (070) | 1.4 | 1.9 | 0.9 | 1.3 | 1.7 | 0.8 | 2.0 | 2.8 | 1.4 | 2.0 | 2.8 | 1.3 |
| Syphilis (090-097) | 0.0 | 0.0 | 0.0 | 0.0 | * | * | 0.0 | * | * | 0.1 | * | * |
| All other infectious and parasitic diseases (001-003,005,020-032,037,039-041,*042-*044,046-054,056-066,071-088,098-139) | 6.5 | 9.2 | 3.8 | 4.1 | 6.1 | 2.1 | 18.2 | 26.1 | 11.5 | 24.5 | 35.4 | 15.3 |
| Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-208) | 123.6 | 147.7 | 105.5 | 121.0 | 143.6 | 104.1 | 138.6 | 176.0 | 112.2 | 161.2 | 208.1 | 128.9 |
| Malignant neoplasms of lip, oral cavity, and pharynx (140-149) | 2.0 | 3.1 | 1.1 | 1.8 | 2.8 | 1.0 | 2.9 | 4.9 | 1.3 | 3.3 | 5.9 | 1.4 |
| Malignant neoplasms of digestive organs and peritoneum (150-159) | 28.1 | 36.2 | 21.4 | 26.6 | 34.3 | 20.2 | 37.4 | 48.9 | 28.6 | 41.4 | 54.5 | 31.8 |
| Malignant neoplasms of respiratory and intrathoracic organs (160-165) | 38.2 | 51.7 | 27.6 | 38.0 | 50.4 | 28.0 | 39.6 | 60.4 | 24.3 | 47.1 | 73.1 | 28.4 |
| Malignant neoplasm of breast (174-175) | 10.2 | 0.2 | 18.8 | 9.9 | 0.2 | 18.3 | 12.0 | 0.2 | 21.3 | 14.5 | 0.3 | 25.3 |
| Malignant neoplasms of genital organs (179-187) | 11.7 | 13.6 | 11.1 | 11.0 | 12.4 | 10.9 | 16.6 | 23.9 | 12.4 | 20.2 | 30.7 | 14.2 |
| Malignant neoplasms of urinary organs (188-189) | 5.0 | 7.7 | 3.0 | 5.1 | 7.9 | 3.0 | 4.2 | 6.0 | 2.8 | 4.8 | 6.9 | 3.3 |
| Malignant neoplasms of all other and unspecified sites (170-173,190-199) | 15.7 | 19.5 | 12.6 | 16.0 | 19.9 | 12.7 | 14.1 | 17.1 | 11.7 | 16.1 | 19.8 | 13.3 |
| Leukemia (204-208) | 4.6 | 5.9 | 3.6 | 4.7 | 6.1 | 3.6 | 4.1 | 5.1 | 3.2 | 4.5 | 5.8 | 3.6 |
| Other malignant neoplasms of lymphatic and hematopoietic tissues (200-203) | 7.9 | 9.8 | 6.4 | 7.9 | 9.8 | 6.3 | 7.9 | 9.5 | 6.6 | 9.2 | 11.2 | 7.7 |
| Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature (210-239) | 1.6 | 1.8 | 1.5 | 1.6 | 1.8 | 1.5 | 1.8 | 1.9 | 1.7 | 2.1 | 2.3 | 2.0 |
| Diabetes mellitus (250) | 13.6 | 15.2 | 12.3 | 12.0 | 13.8 | 10.6 | 24.5 | 24.7 | 24.0 | 28.8 | 28.9 | 28.6 |
| Nutritional deficiencies (260-269) | 0.5 | 0.5 | 0.5 | 0.5 | 0.4 | 0.5 | 0.7 | 0.8 | 0.6 | 0.8 | 1.0 | 0.7 |
| Anemias (280-285) | 0.8 | 0.9 | 0.8 | 0.6 | 0.7 | 0.6 | 1.9 | 2.1 | 1.7 | 2.4 | 2.6 | 2.2 |
| Meningitis (320-322) | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 | 0.6 | 0.4 | 0.6 | 0.7 | 0.4 |
| Major cardiovascular diseases (390-448) | 161.2 | 205.3 | 124.5 | 154.1 | 198.0 | 117.2 | 203.3 | 250.4 | 166.9 | 240.2 | 296.4 | 197.6 |
| Diseases of heart (390-398,402,404-429) | 126.6 | 166.9 | 93.3 | 121.9 | 162.3 | 88.1 | 154.0 | 194.8 | 122.7 | 183.3 | 231.8 | 146.8 |
| Rheumatic fever and rheumatic heart disease (390-398) | 1.0 | 0.7 | 1.2 | 1.0 | 0.7 | 1.2 | 0.9 | 0.6 | 1.1 | 1.0 | 0.6 | 1.2 |
| Hypertensive heart disease (402) | 5.3 | 6.3 | 4.3 | 4.0 | 4.7 | 3.2 | 14.1 | 17.2 | 11.6 | 18.0 | 22.3 | 14.6 |
| Hypertensive heart and renal disease (404) | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.2 | 1.3 | 1.5 | 1.2 | 1.6 | 1.8 | 1.5 |
| Ischemic heart disease (410-414) | 79.5 | 108.9 | 55.6 | 79.2 | 109.4 | 54.2 | 80.1 | 102.5 | 63.1 | 92.5 | 117.6 | 73.9 |
| Acute myocardial infarction (410) | 38.0 | 52.3 | 26.1 | 37.8 | 52.6 | 25.3 | 38.6 | 49.4 | 30.4 | 45.0 | 57.3 | 35.8 |
| Other acute and subacute forms of ischemic heart disease (411) | 0.6 | 0.8 | 0.4 | 0.5 | 0.8 | 0.4 | 0.8 | 1.3 | 0.5 | 1.0 | 1.5 | 0.6 |
| Angina pectoris (413) | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.2 | 0.1 |
| Old myocardial infarction and other forms of chronic ischemic heart disease (412,414) | 40.9 | 55.6 | 29.0 | 40.7 | 56.0 | 28.4 | 40.5 | 51.6 | 32.1 | 46.3 | 58.6 | 37.2 |
| Other diseases of endocardium (424) | 2.7 | 3.1 | 2.5 | 2.8 | 3.0 | 2.5 | 2.4 | 2.7 | 2.1 | 2.6 | 2.9 | 2.4 |
| All other forms of heart disease (415-423,425-429) | 37.7 | 47.5 | 29.3 | 34.8 | 44.0 | 26.9 | 55.3 | 70.4 | 43.6 | 67.6 | 86.5 | 53.2 |

Table 14. Age-adjusted death rates for 72 selected causes, Human immunodeficiency virus infection, and Alzheimer's disease by race and sex: United States, 1998 - Con.

[Age-adjusted rates per 100,000 U.S. standard population; see Technical notes. For explanation of asterisks preceding cause-of-death categories, see Technical notes]

| Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975) | All other | | | | | | | | | | | |
|--|------------|------|--------|------------|------|--------|------------|------|--------|------------|----------------|----------------|
| | All races | | | White | | | Total | | | Black | | |
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| Hypertension with or without renal disease (401,403) ... | 2.4 | 2.5 | 2.2 | 1.9 | 2.0 | 1.7 | 5.9 | 6.3 | 5.5 | 7.3 | 7.9 | 6.7 |
| Cerebrovascular diseases (430-438) | 25.1 | 26.6 | 23.6 | 23.3 | 24.5 | 22.0 | 36.2 | 40.8 | 32.7 | 41.4 | 46.8 | 37.2 |
| Intracerebral and other intracranial hemorrhage (431-432) | 5.5 | 6.2 | 4.8 | 4.8 | 5.4 | 4.2 | 9.2 | 11.1 | 7.7 | 10.2 | 12.4 | 8.4 |
| Cerebral thrombosis and unspecified occlusion of cerebral arteries (434.0,434.9) | 1.6 | 1.8 | 1.5 | 1.5 | 1.6 | 1.4 | 2.3 | 2.6 | 2.1 | 2.8 | 3.2 | 2.4 |
| Cerebral embolism (434.1) | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | * ^a | 0.1 |
| All other and late effects of cerebrovascular diseases (430,433,435-438) | 17.9 | 18.5 | 17.2 | 16.8 | 17.3 | 16.3 | 24.6 | 26.9 | 22.8 | 28.4 | 31.2 | 26.2 |
| Atherosclerosis (440) | 1.9 | 2.2 | 1.7 | 2.0 | 2.2 | 1.7 | 1.7 | 2.0 | 1.4 | 2.0 | 2.4 | 1.7 |
| Other diseases of arteries, arterioles, and capillaries (441-448) | 5.2 | 7.1 | 3.7 | 5.1 | 7.1 | 3.6 | 5.4 | 6.6 | 4.5 | 6.2 | 7.6 | 5.2 |
| Acute bronchitis and bronchiolitis (466) | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | * ^a |
| Pneumonia and influenza (480-487) | 13.2 | 16.3 | 11.0 | 12.7 | 15.5 | 10.7 | 15.6 | 20.9 | 11.9 | 17.4 | 23.5 | 13.2 |
| Pneumonia (480-486) | 13.0 | 16.1 | 10.7 | 12.4 | 15.3 | 10.4 | 15.6 | 20.8 | 11.9 | 17.4 | 23.5 | 13.1 |
| Influenza (487) | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | * ^a | 0.0 |
| Chronic obstructive pulmonary diseases and allied conditions (490-496) | 21.3 | 25.9 | 18.1 | 21.9 | 26.4 | 18.9 | 15.3 | 21.0 | 11.4 | 17.7 | 24.3 | 13.3 |
| Bronchitis, chronic and unspecified (490-491) | 0.5 | 0.7 | 0.5 | 0.6 | 0.7 | 0.5 | 0.4 | 0.5 | 0.3 | 0.4 | 0.5 | 0.3 |
| Emphysema (492) | 3.6 | 4.5 | 2.9 | 3.8 | 4.6 | 3.2 | 2.0 | 3.0 | 1.3 | 2.3 | 3.4 | 1.5 |
| Asthma (493) | 1.4 | 1.2 | 1.5 | 1.1 | 0.9 | 1.2 | 3.0 | 2.9 | 3.1 | 3.7 | 3.4 | 3.8 |
| Other chronic obstructive pulmonary diseases and allied conditions (494-496) | 15.7 | 19.6 | 13.1 | 16.5 | 20.2 | 14.0 | 9.9 | 14.6 | 6.7 | 11.3 | 16.9 | 7.7 |
| Ulcer of stomach and duodenum (531-533) | 0.8 | 1.0 | 0.7 | 0.8 | 1.0 | 0.7 | 0.9 | 1.2 | 0.7 | 1.0 | 1.3 | 0.8 |
| Appendicitis (540-543) | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.3 | 0.1 | 0.2 | 0.3 | 0.1 |
| Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560) | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 1.0 | 1.3 | 1.4 | 1.2 | 1.6 | 1.8 | 1.4 |
| Chronic liver disease and cirrhosis (571) | 7.2 | 10.3 | 4.4 | 7.1 | 10.2 | 4.3 | 7.3 | 11.0 | 4.4 | 8.0 | 12.3 | 4.7 |
| Cholelithiasis and other disorders of gallbladder (574-575) | 0.5 | 0.5 | 0.4 | 0.4 | 0.5 | 0.4 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| Nephritis, nephrotic syndrome, and nephrosis (580-589) | 4.4 | 5.4 | 3.7 | 3.9 | 4.8 | 3.2 | 8.1 | 9.2 | 7.2 | 9.7 | 11.4 | 8.6 |
| Acute glomerulonephritis and nephrotic syndrome (580-581) | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | * ^a | 0.1 |
| Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (582-583,587) | 0.3 | 0.4 | 0.2 | 0.3 | 0.3 | 0.2 | 0.5 | 0.7 | 0.5 | 0.7 | 0.9 | 0.5 |
| Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause (584-586,588-589) | 4.1 | 5.0 | 3.4 | 3.6 | 4.5 | 3.0 | 7.4 | 8.4 | 6.6 | 9.0 | 10.3 | 7.9 |
| Infections of kidney (590) | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.2 | 0.2 | 0.2 | 0.3 |
| Hyperplasia of prostate (600) | 0.1 | 0.1 | ... | 0.0 | 0.1 | ... | 0.1 | 0.2 | ... | 0.1 | 0.2 | ... |
| Complications of pregnancy, childbirth, and the puerperium (630-676) | 0.1 | ... | 0.2 | 0.1 | * | 0.2 | 0.2 | * | 0.5 | 0.3 | ... | 0.6 |
| Pregnancy with abortive outcome (630-638) | 0.0 | ... | 0.0 | * | * | ... | * | * | ... | * | ... | * |
| Other complications of pregnancy, childbirth, and the puerperium (640-676) | 0.1 | ... | 0.2 | 0.1 | ... | 0.1 | 0.2 | ... | 0.4 | 0.3 | ... | 0.5 |
| Congenital anomalies (740-759) | 4.2 | 4.5 | 4.0 | 4.1 | 4.4 | 3.9 | 4.6 | 4.9 | 4.2 | 5.2 | 5.7 | 4.8 |
| Certain conditions originating in the perinatal period (760-779) | 5.5 | 6.0 | 4.9 | 4.1 | 4.5 | 3.8 | 10.4 | 11.5 | 9.2 | 13.3 | 14.7 | 11.7 |
| Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome (767-769) | 0.8 | 0.9 | 0.7 | 0.7 | 0.7 | 0.6 | 1.3 | 1.5 | 1.2 | 1.7 | 1.9 | 1.5 |
| Other conditions originating in the perinatal period (760-766,770-779) | 4.6 | 5.0 | 4.2 | 3.5 | 3.8 | 3.2 | 9.1 | 10.0 | 8.1 | 11.6 | 12.8 | 10.3 |
| Symptoms, signs, and ill-defined conditions (780-799) .. | 6.2 | 7.6 | 4.8 | 5.5 | 6.8 | 4.3 | 9.1 | 11.5 | 7.0 | 11.3 | 14.4 | 8.7 |
| All other diseases (Residual) | 43.4 | 48.8 | 38.6 | 41.8 | 47.0 | 37.1 | 51.2 | 58.7 | 45.3 | 60.9 | 70.7 | 53.4 |

See footnotes at end of table.

Table 14. Age-adjusted death rates for 72 selected causes, Human immunodeficiency virus infection, and Alzheimer's disease by race and sex: United States, 1998 - Con.

[Age-adjusted rates per 100,000 U.S. standard population; see Technical notes. For explanation of asterisks preceding cause-of-death categories, see Technical notes]

| Cause of death (Based on the Ninth Revision, International Classification of Diseases, 1975) | | | | | | | All other | | | | | |
|--|------------|------|--------|------------|------|--------|------------|------|--------|------------|------|--------|
| | All races | | | White | | | Total | | | Black | | |
| | Both sexes | Male | Female |
| Accidents and adverse effects (E800-E949) | 30.1 | 43.0 | 17.8 | 29.8 | 42.2 | 17.7 | 31.8 | 47.5 | 18.2 | 35.7 | 54.4 | 19.6 |
| Motor vehicle accidents (E810-E825) | 15.6 | 21.6 | 9.9 | 15.7 | 21.5 | 10.0 | 15.5 | 22.6 | 9.3 | 16.6 | 25.0 | 9.2 |
| All other accidents and adverse effects (E800-E807,E826-E949) | 14.4 | 21.4 | 8.0 | 14.1 | 20.7 | 7.7 | 16.3 | 24.9 | 8.9 | 19.1 | 29.4 | 10.4 |
| Suicide (E950-E959) | 10.4 | 17.2 | 4.0 | 11.2 | 18.3 | 4.4 | 6.3 | 10.8 | 2.2 | 5.9 | 10.5 | 1.8 |
| Homicide and legal intervention (E960-E978) | 7.3 | 11.3 | 3.2 | 4.4 | 6.4 | 2.2 | 19.6 | 33.2 | 6.9 | 25.2 | 43.1 | 8.6 |
| All other external causes (E980-E999) | 1.3 | 1.9 | 0.8 | 1.3 | 1.7 | 0.8 | 1.6 | 2.6 | 0.7 | 2.0 | 3.3 | 0.9 |
| Human immunodeficiency virus infection ¹ (*042-*044) .. | 4.6 | 7.2 | 2.2 | 2.6 | 4.3 | 0.8 | 15.0 | 22.7 | 8.5 | 20.6 | 31.2 | 11.7 |
| Alzheimer's disease ² (331.0) | 2.6 | 2.4 | 2.8 | 2.8 | 2.5 | 2.9 | 1.7 | 1.4 | 1.8 | 1.9 | 1.7 | 2.1 |

* Figure does not meet standards of reliability or precision, see Technical notes.

0.0 Quantity more than zero but less than 0.05.

† Category not applicable.

¹ Included in "All other infectious and parasitic diseases" shown above.

² Included in "All other diseases (Residual)" category shown above.